

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims.

1-20. (Canceled).

¹ ~~21~~. (Currently Amended) An isolated monoclonal antibody or portion thereof that specifically binds to a protein selected from the group consisting of:

- (a) a protein whose sequence consists of amino acid residues 2 to 158 of SEQ ID NO:2;
- (b) a protein consisting of a fragment of SEQ ID NO:2, wherein said fragment comprises at least 30 contiguous amino acid residues of SEQ ID NO:2; and
- (c) a protein consisting of a fragment of SEQ ID NO:2, wherein said fragment comprises at least 50 contiguous amino acid residues of SEQ ID NO:2.

² ~~22~~. (Previously Presented) The antibody or portion thereof of claim ~~21~~ that specifically binds protein (a).

³ ~~23~~. (Previously Presented) The antibody or portion thereof of claim ~~21~~ that specifically binds protein (b).

⁴ ~~24~~. (Previously Presented) The antibody or portion thereof of claim ~~21~~ that specifically binds protein (c).

25. (Canceled).

⁵ ~~26~~. (Previously Presented) The antibody or portion thereof of claim ~~21~~ wherein said protein specifically bound by said antibody or portion thereof is glycosylated.

27-29. (Canceled).

~~30.~~⁶ (Previously Presented) The antibody or portion thereof of claim ~~21~~¹ which is a humanized antibody.

~~31.~~⁷ (Previously Presented) The antibody or portion thereof of claim ~~21~~¹ which is a human antibody.

~~32.~~⁸ (Previously Presented) The antibody or portion thereof of claim ~~21~~¹ which is a single chain antibody.

~~33.~~⁹ (Previously Presented) The antibody or portion thereof of claim ~~21~~¹ which is a Fab fragment.

~~34.~~¹⁰ (Previously Presented) The antibody or portion thereof of claim ~~21~~¹ which is labeled.

~~35.~~¹¹ (Previously Presented) An isolated cell that produces the antibody of claim ~~21~~¹.

~~36.~~¹² (Previously Presented) A hybridoma that produces the antibody of claim ~~21~~¹.

~~37.~~ (Previously Presented) A hybridoma that produces the antibody of claim 27.

38-45. (Cancelled).

~~36.~~¹³ (Currently Amended) An isolated monoclonal antibody or portion thereof produced by immunizing an animal with a protein selected from the group consisting of:

- (a) a protein whose sequence comprises amino acid residues 2 to 158 of SEQ ID NO:2;
- (b) a protein whose sequence comprises at least 30 contiguous amino acid residues of SEQ ID NO:2; and
- (c) a protein whose sequence comprises at least 50 contiguous amino acid residues of SEQ ID NO:2,

wherein said antibody or portion thereof specifically binds to the amino acid sequence of SEQ ID NO:2.

¹⁴
47. (Previously Presented) The antibody or portion thereof of claim ~~46~~¹³ produced by immunizing an animal with protein (a).

¹⁵
48. (Previously Presented) The antibody or portion thereof of claim ~~46~~¹³ produced by immunizing an animal with protein (b).

¹⁶
49. (Previously Presented) The antibody or portion thereof of claim ~~46~~¹³ produced by immunizing an animal with protein (c).

50. (Canceled).

¹⁷
51. (Currently Amended) An isolated monoclonal antibody or portion thereof that specifically binds to a protein whose sequence consists of amino acid residues 1 to 158 of SEQ ID NO:2.

¹⁸
52. (Previously Presented) The antibody or portion thereof of claim ~~51~~¹⁷ wherein said protein specifically bound by said antibody or portion thereof is glycosylated.

53-55. (Canceled).

¹⁹
56. (Previously Presented) The antibody or portion thereof of claim ~~51~~¹⁷ which is a humanized antibody.

²⁰
57. (Previously Presented) The antibody or portion thereof of claim ~~51~~¹⁷ which is a human antibody.

²¹
58. (Previously Presented) The antibody or portion thereof of claim ~~51~~¹⁷ which is a single chain antibody.

22
59. (Previously Presented) The antibody or portion thereof of claim 51¹⁷ which is a Fab fragment.

23
60. (Previously Presented) The antibody or portion thereof of claim 51¹⁷ which is labeled.

24
61. (Previously Presented) An isolated cell that produces the antibody of claim 51¹⁷.

25
62. (Previously Presented) A hybridoma that produces the antibody of claim 51¹⁷.

26
63. (Previously Presented) A hybridoma that produces the antibody of claim 53.

64-71. (Cancelled).

26
72. (Currently Amended) An isolated monoclonal antibody or portion thereof produced by immunizing an animal with a protein whose sequence comprises amino acid residues 1 to 158 of SEQ ID NO:2 wherein said antibody or portion thereof specifically binds to the protein of SEQ ID NO:2.

73-126. (Canceled).